

FLAME ATOMIC ABSORPTION METALS
SM 18th Ed 3111 B (Air/Acetylene Flame)

Facility Name: _____ VELAP ID _____

Assessor Name: _____ Analyst Name: _____ Inspection Date _____

Relevant Aspect of Standards	Reference	Y	N	N/A	Comments
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____ Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
If samples require digestion, are standards and method blanks also subjected to digestion?	SM3111.A.5 (INTRO)				
For a new matrix is method of additions performed and for verification is a 1:10 dilution analyzed to determine no matrix effects?	SM3020				
Is a blank analyzed with every batch and carried through all of the procedural steps, and are results below the method detection limit?	SM3020				
Are samples associated with a contaminated blank [] reprocessed or [] are the results reported with appropriate data qualifying codes?	SM3020				<i>Corrective action required if MB>MDL.</i>
Is a matrix spike performed at a frequency of 1 in 10 samples, with an acceptable recovery of 85-115%?	SM3111 A.7				
Is an standard (CCV) analyzed after every batch of 10 or fewer samples?	SM3111 A.7				< 10%
Are samples digested for metal analysis?	SM3030 A				Wastewater samples must be digested.
Are instrument parameters set per the manufacturers operating manual?	SM3111 B.4.a				
Is instrument aspirated with water or water containing acid in same concentration as samples/standards?	SM3111 B.				
If analyzing for Ca and Mg are sample analyzed with and without Ln solution?	SM3111 B.4 .c				
If analyzing for Fe and Mn are calibration curves based on original concentration before dilution with Ca?	SM3111 B.4.c				

Notes/Comments